

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/561,506  
Source: IFWP  
Date Processed by STIC: 1/4/06

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 01/04/2006

PATENT APPLICATION: US/10/561,506

TIME: 10:33:31

Input Set : F:\SONN085.APP.txt

Output Set: N:\CRF4\01042006\J561506.raw

3 <110> APPLICANT: MEINKE, ANDREAS  
 4 NAGY, ESZTER  
 5 WINKLER, BIRGIT  
 7 <120> TITLE OF INVENTION: CHLAMYDIA PNEUMONIAE ANTIGENS  
 9 <130> FILE REFERENCE: SONN:085US  
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/561,506  
 12 <141> CURRENT FILING DATE: 2005-12-19  
 14 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/006460  
 15 <151> PRIOR FILING DATE: 2004-06-16  
 17 <150> PRIOR APPLICATION NUMBER: EP03450148.6  
 18 <151> PRIOR FILING DATE: 2003-06-17  
 20 <160> NUMBER OF SEQ ID NOS: 122  
 22 <170> SOFTWARE: PatentIn Ver. 2.1  
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 25 <211> LENGTH: 1956  
 26 <212> TYPE: DNA  
 27 <213> ORGANISM: Artificial Sequence  
 29 <220> FEATURE:  
 30 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 31 Primer  
 33 <400> SEQUENCE: 1  
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 36 gcagggtgcgg aagctaagcc taaagaatct aagaccgatt ctgtagagcg atggagcatc 180  
 37 ttgcgttctg cagtgaatgc tctcatgagt ctggcagata agctgggtat tgcttctagt 240  
 38 aacagctcgt cttctactag cagatctgca gacgtggact caacgacagc gaccgcacct 300  
 39 acgctctctc caccacggt tgatgattat aagactcaag cgcaaacagc ttacgatact 360  
 40 atctttacct caacatcact agctgacata caggctgctt tggtagagct ccaggatgct 420  
 41 gtcactaata taaaggatac agcggctact gatgaggaaa ccgcaatcgc tgcggagtgg 480  
 42 gaaactaaga atgccgatgc agttaaagtt ggcgcgcaaa ttacagaatt agcgaaatat 540  
 43 gcttcggata accaagcgat tcttgactct ttaggtaaac tgacttcctt cgacctctta 600  
 44 caggctgctc ttctccaatc tgtagcaaac aataacaaag cagctgagct tcttaagag 660  
 45 atgcaagata acccagtagt cccagggaaa acgctgcaa ttgctcaatc ttagttgat 720  
 46 cagacagatg ctacagcgac acagatagag aaagatggaa atgcgattag ggatgcatat 780  
 47 tttgcaggac agaacgctag tggagctgta gaaaatgcta aatctaataa cagtataagc 840  
 48 aacatagatt cagctaaagc agcaatcgct actgctaaga cacaatagc tgaagctcag 900  
 49 aaaaagttcc ccgactctcc aattcttcaa gaagcggaac aaatggtaat acaggctgag 960  
 50 aaagatctta aaaatatcaa acctgcagat ggttctgatg ttccaaatcc aggaactaca 1020  
 51 gttggaggct ccaagcaaca aggaagtagt attggtagta ttcgtgtttc catgctgtta 1080  
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57 ggggtcatctg taaaacagct ttacaagacc tcaaaatcta caggttctga ttataaaaca 1440
58 cagatatcag caggttatga tgcttacaaa tccatcaatg atgcttatgg tagggcacga 1500
59 aatgatgcga ctgctgatgt gataaacaat gtaagtaccc ccgctctcac acgatccgtt 1560
60 cctagagcac gaacagaagc tcgaggacca gaaaaaacag atcaagccct cgctaggggtg 1620
61 atttctggca atagcagaac tcttgagat gtctatagtc aagtttcggc actacaatct 1680
62 gtaatgcaga tcatccagtc gaatcctcaa gcgaataatg aggagatcag acaaaagctt 1740
63 acatcggcag tgacaaagcc tccacagttt ggctatcctt atgtgcaact ttctaatagac 1800
64 tctacacaga agttcatagc taaattagaa agtttggttg ctgaaggatc taggacagca 1860
65 gctgaaataa aagcactttc ctttgaaacg aactccttgt ttattcagca ggtgctgggtc 1920
66 aatateggct ctctatattc tggttatctc caataa 1956

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69 &lt;210&gt; SEQ ID NO: 2

70 &lt;211&gt; LENGTH: 1170

71 &lt;212&gt; TYPE: DNA

72 &lt;213&gt; ORGANISM: Artificial Sequence

74 &lt;220&gt; FEATURE:

75 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: Synthetic

76 Primer

78 &lt;400&gt; SEQUENCE: 2

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81 tgggaagggtg ctgcaggaga tctttgcgat ctttgcgcta cttggtgcga cgctattagc 180
82 ttacgtgctg gattttacgg agactatggt ttgcaccgta tcttaaaagt agatgcacct 240
83 aaaacatttt ctatgggagc caagcctact ggatccgctg ctgcaaacta tactactgcc 300
84 gtagatagac ctaaccgagg ctacaataag catttacacg atgcagagtg gttcactaat 360
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86 tctaattggtt acattagagg aaactctaca gcgttcaatc tcggttggtt attcggagtt 480
87 aaaggtagta ctgtaaagtc aaatgaacta ccaaagcttt ctttaagtaa cggagttggt 540
88 gaactttaca cagacacctc tttctcttgg agcgtaggcg ctgctggagc cttatgggaa 600
89 tgcggttggt caactttggg agctgaattc caatatgcac agtccaaacc taaagttgaa 660
90 gaacttaatg tgatctgtaa cgtatcgcaa ttctctgtaa acaaacccaa gggctataaa 720
91 ggcgttgctt tccccttgcc aacagacgct ggcgtagcaa cagctactgg acaaaagtct 780
92 gcgaccatca attatcatga atggcaagta ggagcctctc tatcttacag actaaactct 840
93 ttagtgccat acattggagt acaatggtct cgagcaactt ttgatgctga taacatccgc 900
94 attgctcagc caaaactacc tacagctggt ttaaaactta ctgcatggaa ccttctctta 960
95 ctaggaaatg ccacagcatt gtctactact gattcggttct cagacttcat gcaaattggt 1020
96 tctgtgcaga tcaacaagtt taaatctaga aaagcttggt gagttactgt aggagctact 1080
97 ttagttgatg ctgataaatg gtcacttact gcagaagctc gtttaattaa cgagagagct 1140
98 gctcacgtat ctggtcagtt cagattctaa 1170

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101 &lt;210&gt; SEQ ID NO: 3

102 &lt;211&gt; LENGTH: 642

103 &lt;212&gt; TYPE: DNA

104 &lt;213&gt; ORGANISM: Artificial Sequence

106 &lt;220&gt; FEATURE:

107 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: Synthetic

108 Primer

110 &lt;400&gt; SEQUENCE: 3

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111 atgtctgtta atccatcagg aaattccaag aacgatctct ggattacggg agctcatgat 60
112 cagcatcccg atgttaaaga atccgggggtt acaagtgcga acctaggaag tcatagagtg 120

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114 tttagtcgga tgagcttctt cagatcgga gctccaagag gtagccaaca accctctgct 240
115 ccactctgcag atactgtacg tagcccggtt cggggagggg atgctcgcgc taccgaggga 300
116 gctggtagga acttaattaa aaaagggtac caaccaggga tgaaagtcac tatcccacag 360
117 gttcctggag gaggggccca acgttcatca ggtagcacga cactaaagcc tacgcgtccg 420
118 gcacccccac ctctaaaaac ggggtggaact aatgcaaac gtccggcaac gcacgggaag 480
119 ggtccagcac ccagcctcc taaaacaggt gggaccaatg ctaagcgcgc agcaacgcat 540
120 gggaaagggtc cagcacctca acctcctaag ggcattttga aacagcctgg gcagtctggg 600
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125 <211> LENGTH: 1149
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127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
131 Primer
133 <400> SEQUENCE: 4
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138 gcaatgcaaa gtccttcagg acctacaata cggcctacgc gtccggcacc tccacctcct 300
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151 aagaatcaca ctgctgacgt tgtgcgaatg gccaatgagt cgagtagact acttcaaggt 1080
152 atgaaagtgt tatcggtcgg agcttgggcg aatacaatga cagttttaat cggggatctt 1140
153 tttgaataa 1149
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157 <211> LENGTH: 1002
158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
163 Primer
165 <400> SEQUENCE: 5
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167 ggagttgttc ttgcttttgt cgttatatc gcactcatag ctctctctt aggaaatggg 120
168 gatgctacct tcgttagctt gcctgacgcc caaggagaag taaaagatct agggaaaaca 180
169 gccccatta ttgctgttat cgaaatgaaa gatgtaattg cttcttcaaa aaatacggcc 240

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171 ggtattgtca ttgatatgga ttgccaggga ggcgaggctt ttgaaataga tagaattttac 360
172 tctatgcttc gcttttggaa agaacgtaag ggattcccta tttatattta tgtgaatggg 420
173 ctttgtgctt cgggaggcta ttatgtatcc tgcgctgcaa ctaaaattta tgccacctcc 480
174 tcctctctta tcggttctat cggagtgcgt tctggaccat tcttcaatgt aaaagaagg 540
175 ttaaatcgct acggagttga aagtgatctg ctgacagctg gaaaagataa ggctccaatg 600
176 aatccttata caccgtggac ttctcatgat agagaagaac ggcaagcgac tcttgatttt 660
177 ctctacggac aatttggtga tatagttaca caaaaccgtc ctctgcttac taaagagaag 720
178 ttagttcaca ctctcggagc acgtatatttt tctccagaga aggccaaaca agaaggctat 780
179 attgatgttg taggcgcaac taaagaacaa gtccttcaag acatagttgc tgtttgtaag 840
180 attgaagata actatagagt gattggctct ggtgggtgat gttgggtggaa gcggtggct 900
181 tcagctgcag cttcaagtcc attagttact ggcatgatta aacacgatat tctgccttta 960
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185 &lt;210&gt; SEQ ID NO: 6

186 &lt;211&gt; LENGTH: 687

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190 &lt;220&gt; FEATURE:

191 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: Synthetic

192 Primer

194 &lt;400&gt; SEQUENCE: 6

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197 ctagagaaaa gcgaccacct cccccctatg gaaacaatcc gtgtggtgct aacctctcat 180
198 aaagataagc taggcaccga ggtgcatggt gtagcttctc atggcaaaaga aatccttcaa 240
199 actaagggtc ataacgcaaa ccatacact gcagtgatca atgcttttaa gaaaatccgc 300
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211 &lt;212&gt; TYPE: DNA

212 &lt;213&gt; ORGANISM: Artificial Sequence

214 &lt;220&gt; FEATURE:

215 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: Synthetic

216 Primer

218 &lt;400&gt; SEQUENCE: 7

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221 gcagcagcac aaacatctca gacagtaact ctaattgcag atcacgaaat gcaagaaatt 180
222 gcaagtcaag atggatccgc ggtaagcttt tctgctgagc actctttttc taccctccct 240
223 ccagagactg gaagtgttg agctacagca caatccgctc aatctgcggg gctattttca 300
224 ttatcaggct gtacacaaaag aagagattcg gagatttctt cctcttctga cggcagttcg 360
225 atatctagaa ctagctcaaa cgcattctct ggagaaacaa gcagagctga aagtagtcct 420
226 gatctaggcg acttggatag cttatcagga agcgagcgcg ctgaaggagc cgaaggacct 480

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229 cactttgttt atgtagatga agccagaagt agtttcattt ttgtccgcaa tggtagctgg 660
230 tcaactgctg agtctataaa agtttctaata gcaaaaacca aagaaaatat tactaagcct 720
231 gcggacttag aaatgtgcat cgctaaattc tgtgtgggat atgaaaccat ccactcggat 780
232 tggacgggac gcgtaaaacc tacaatggaa gagcgctcgg gagccacagg aaattacaat 840
233 catctgatgc tcagcatgaa atttaaaact gctgtagtct acggtccttg gaatgctaaa 900
234 gaatctagta gtggatatac accctctgca tggcgctcgtg gagcaaaagt agaaacagg 960
235 ccgatttggg atgatgttg gggttggaa ggcattaact ggaaaacgac ccagctcca 1020
236 gacttctcct ttataaatga aactccagggt ggaggggctc actcgacgtc tcatacagg 1080
237 cctggcactc cagtaggagc tactgtgggt cctaatgtga atgtcaactt gggaggcatt 1140
238 aaggttgatc tgggtggcat caatttaggt ggaattacaa cgaatgtcac tacagaagaa 1200
239 ggtggtggaa ccaacataac atctacgaaa tccacatcta ctgatgataa agtctcaata 1260
240 acatctacag gatctcaaag tacgatcgaa gaagacacta tacaatttga cgatcctgg 1320
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244 ctcaatcagg atttaggcca ggtagtataa aacagtgaac acggagtga cttccctact 1560
245 gtgattcttc ctaaaactac tggcgatata gatccatccg gtcaagcaac cggaggagtc 1620
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248 aaagcaaagt taagttccag ctctgtgcta ccacaaccac aagtagctac gacgatcacc 1800
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254 ttcccgatcc ctccctcagg gactggaaca cagaatatgg gggcacaatt gtgggctgca 2160
255 gcaagtcaag ttgcttccac tttaggccag gtcgtgaatc aagcagctac agcaggttct 2220
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259 &lt;210&gt; SEQ ID NO: 8

260 &lt;211&gt; LENGTH: 1707

261 &lt;212&gt; TYPE: DNA

262 &lt;213&gt; ORGANISM: Artificial Sequence

264 &lt;220&gt; FEATURE:

265 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: Synthetic

266 Primer

268 &lt;400&gt; SEQUENCE: 8

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272 cttaatgcga ttggagggtc agaacttcta ctcccacttc tccacaatgc tgaactttgg 240
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274 cggaaggaa aatctcattg cctagctcct acacatgaag aggtcatctg ctcttttgtt 360
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276 ttccgagacg agattcgccc tcgattcggt ctcatteget ctcgagagct ccttatggaa 480
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RAW SEQUENCE LISTING ERROR SUMMARY  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:76; Xaa Pos. 1023

Seq#:85; Xaa Pos. 76

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/561,506

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Input Set : F:\SONN085.APP.txt

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L:11 M:270 C: Current Application Number differs, Replaced Current Application Number

L:3753 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76 after pos.:1008

L:4982 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85 after pos.:64